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List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2860298/publications.pdf

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24	1,733	567281 15	610901 24
papers	citations	h-index	g-index

29	29	29	2364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Deep-STORM: super-resolution single-molecule microscopy by deep learning. Optica, 2018, 5, 458.	9.3	430
2	Precise Three-Dimensional Scan-Free Multiple-Particle Tracking over Large Axial Ranges with Tetrapod Point Spread Functions. Nano Letters, 2015, 15, 4194-4199.	9.1	210
3	Flexible electrical recording from cells using nanowire transistor arrays. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 7309-7313.	7.1	206
4	DeepSTORM3D: dense 3D localization microscopy and PSF design by deep learning. Nature Methods, 2020, 17, 734-740.	19.0	194
5	Multicolour localization microscopy by point-spread-function engineering. Nature Photonics, 2016, 10, 590-594.	31.4	128
6	Single-molecule imaging of Hedgehog pathway protein Smoothened in primary cilia reveals binding events regulated by Patched1. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 8320-8325.	7.1	89
7	Multicolor localization microscopy and point-spread-function engineering by deep learning. Optics Express, 2019, 27, 6158.	3.4	87
8	Cellular Inclusion Bodies of Mutant Huntingtin Exon 1 Obscure Small Fibrillar Aggregate Species. Scientific Reports, 2012, 2, 895.	3.3	74
9	Observing DNA in live cells. Biochemical Society Transactions, 2018, 46, 729-740.	3.4	41
10	Delayed emergence of subdiffraction-sized mutant huntingtin fibrils following inclusion body formation. Quarterly Reviews of Biophysics, 2016, 49, e2.	5.7	39
11	Three-dimensional localization microscopy in live flowing cells. Nature Nanotechnology, 2020, 15, 500-506.	31.5	37
12	VIPR: vectorial implementation of phase retrieval for fast and accurate microscopic pixel-wise pupil estimation. Optics Express, 2020, 28, 10179.	3.4	31
13	Engineering motility as a phenotypic response to LuxI/Râ€dependent quorum sensing in Escherichia coli. Biotechnology and Bioengineering, 2008, 100, 1251-1255.	3.3	27
14	Synthetic cells with self-activating optogenetic proteins communicate with natural cells. Nature Communications, 2022, 13, 2328.	12.8	23
15	Revealing Nanoscale Morphology of the Primary Cilium Using Super-Resolution Fluorescence Microscopy. Biophysical Journal, 2019, 116, 319-329.	0.5	21
16	Ultrasensitive Refractometry via Supercritical Angle Fluorescence. ACS Nano, 2018, 12, 11892-11898.	14.6	16
17	Multicolor localization microscopy and point-spread-function engineering by deep learning. Optics Express, 2019, 27, 6147.	3.4	14
18	3D printable diffractive optical elements by liquid immersion. Nature Communications, 2021, 12, 3067.	12.8	13

#	Article	IF	Citations
19	Multiplexed PSF Engineering for Three-Dimensional Multicolor Particle Tracking. Nano Letters, 2021, 21, 5888-5895.	9.1	13
20	THY1-mediated mechanisms converge to drive YAP activation in skin homeostasis and repair. Nature Cell Biology, 2022, 24, 1049-1063.	10.3	12
21	Microscopic scan-free surface profiling over extended axial ranges by point-spread-function engineering. Science Advances, 2020, 6, .	10.3	9
22	Robust hypothesis tests for detecting statistical evidence of two-dimensional and three-dimensional interactions in single-molecule measurements. Physical Review E, 2014, 89, 052705.	2.1	7
23	Automated Analysis of Fluorescence Kinetics in Single-Molecule Localization Microscopy Data Reveals Protein Stoichiometry. Journal of Physical Chemistry B, 2021, 125, 5716-5721.	2.6	7
24	Experimental Demonstration of Sparsity-Based Single-Shot Fluorescence Imaging at Sub-wavelength Resolution. , 2017, , .		1